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Grand Industrial Exhibition,

1851.

CATALOGUE

OF

ECONOMIC MINERALS, &c.,

OF

CANADA.

BY

W. E. LOGAN.

LOVELL AND GIBSON, PRINTERS, TORONTO.

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ALS, &c.,

TORONTO.

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e Economic Specimens
in 1851.

W. E. LOGAN.

CATALOGUE

OF SOME OF THE

ECONOMIC MINERALS

AND

DEPOSITS OF CANADA,

WITH THEIR LOCALITIES.

NOTE.—The quantities in the localities indicated are not in every case of sufficient amount to be profitably available, but they are always of sufficient importance to draw attention to the localities, as a possible guide to the discovery of others in the vicinity, where quantities may be greater.

Metals and their Ores.

IRON .....*Magnetic* .....Marmora, range 1, lot 7, (a 100 feet bed); range 2, lot 13; range 9, lot 9; range 9, lot 6.
Madoc, range 4, lot 2, (a 25 feet bed); range 5, lot 11; range 6, lot 10; range 7, lot 9.
South Sherbrooke, C.W., Myers Lake, range 3, lots 17, 18, 19, (a 60 feet bed).
Bedford, range –, lot –.
Hull, range 7, lot 11, (a 40 feet bed); range 5, lot 11; range 6, lots 12 and 13.
Litchfield, Portage du Fort, a small vein.
Specular .....Lake Huron, Wallace Mine location, near Whitefish River, (a 15 feet vein).
McNab, ranges C and D, lot 6, Dochart River, (a 12 feet vein).
Red.....Middleton; Charlotville; Walsingham.
West Gwillimsbury, mouth of the Holland River.
Fitzroy, Chats; Eardley, range 8, lot 20; March, Constance Lake; Hull, range 7, lot 14.
Templeton, McArthur's mill; Vaudreuil Seignory, Côte St. Charles and Sac au Sable.
Stanbridge, range–, lot–; Simpson, range 12, lot 8; St. Maurice Forges.
Ireland, range 4, lot 12; Lauzon Seignory, St. Lambert; Valière Seignory, junction of Rivière du Sud and Bras.
Titaniferous ...St. Armand East, lot 45, (a 5 feet bed).
Sutton, (in beds of 2 to 8 feet) range 9, lots 4, 5, 6, 7, 9; range 10, lots 7, 8; range 11, lots 7, 9.
Brome, (in beds of 2 to 15 feet) range 3, lots 1, 2; range 4, lots 5, 6; range 5, lots 4, 5.
Bolton, range 14, lot 2.
Vaudreuil Beauce Seignory, north corner, (a 45 feet bed).
Bay St. Paul, St. Urbain, (a 90 feet bed); St. Lazare, (a still larger mass).
ZINC .....*Sulphuret* .....Lake Superior, Prince's location; Mamainse.
LEAD.....*Galena* .....Fitzroy, range 8, lot 12; Bedford, range —, lot —.
Bastard, range —, lot —.
Petite Nation Seignory? Gaspé, Little Gaspé Cove and Indian Cove.

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GEOLOGIC

COPPER...*Sulphurets, &c.*..Lake Superior—

Spar Island, Prince's location, a 4 feet vein, (*vitreous sulphuret*, with *silver*.)

St. Ignace Island, Harrison's, Ferrier's and Merritt's locations; (*native copper*, with *silver*.)

Michipicoten Island, (*native copper*, with *silver*.)

Mica Bay, Mamainse, (*yellow*, *variegated*, and *vitreous sulphurets*.)

Lake Huron—

Root River, a 3 feet vien, (*yellow sulphuret*.)

Echo Lake, (*yellow sulphuret*.)

Bruce Mines, a 4 feet vein, (*yellow*, *variegated*, and *vitreous sulphurets*.)

Wallace Mine, Whitefish River, (*yellow sulphuret*.)

Eastern Townships—

Upton, range 21, lot 51, (*argentiferous yellow sulphuret*,) a 1 foot vein.

Ascot, range 7, lot 17, (*argenti-auriferous yellow sulphuret*,) a 2 feet vein.

Inverness, range 2, lot 4, (*variegated sulphuret*,) a 2 feet vein.

SILVER ...*Native, &c*.....Lake Superior—

Prince's location, a bunch of 4 cwt. of 3½ per cent met with, equal to 72 lbs. of silver per ton of rock.

St. Ignace Island, Harrison's, Ferrier's and Merritt's locations.

Michipicoten Island, north side.

GOLD.....*Native, in Gravel*—

Vaudreuil Beauce Seignory, Rivière Guillaume; Rivière Bras; Ruisseau Lessard; Rivière Touffe des Pins for 3 miles up; Ruisseau du Lac.

Aubert de L'Isle Seignory, Rivière Famine.

Aubert Gallion Seignory, Ruisseau ——, Pozer's River for 3 miles up.

Rivière Metgermet opposite Jersey.

Native, in Vein—

Lake Superior, Prince's location, (traces.)

Ascot, range 7, lot 17, (with *copper* and *silver*, value $1 per ton of rock.)

NICKEL...*Sulphuret, &c.*—

Lake Huron, Wallace Mine.

Augmentation to La Noraye and Dautraye Seignory, (with *iron pyrites*,) traces.

Brompton, range 11, lot 19, (*nickel ochre*,) traces.

Chemical Materials, being such as require peculiar chemical treatment to fit them for use.

URANIUM—(*For glass staining, and porcelain painting, &c.*)—

Madoc, range 4, lot 12, traces in the iron ore bed, in the form of *uran ochre*.

CHROMIUM—(*For glass staining, porcelain and oil painting, &c.*)—

Bolton, range 7, lot 26, a 12 inch bed of *chromic iron*.

Augmentation of Ham, range 2, lot 21, a 14 inch bed of *chromic iron*.

MANGANESE, BOG—(*For bleaching and decolorizing agents*)—

Bolton, range 12, lot 22; Stanstead, range 4, lot 24; range 10, lot 9.

Tring, near eastern boundary on road from Lambton to St. François Beauce.

Aubert Gallion Seignory, near Pozer's River; St. Mary's Seignory, 3rd range, Frampton road; St. Anne Seigniory.

COBALT—(*For glass staining, and porcelain painting, &c.*)—

Lake Superior, Prince's location, (traces); Lake Huron, Wallace Mine, (traces.)

Augmentation to La Noraye and Dautraye Seignory, with *nickel*, (traces.)

IRON PYRITES—(*For manufacture of Copperas and Sulphur*)—

Clarendon, range 2, lot 7; Terrebonne Seignory, a 4 feet vein; Augmentation to La Noraye and Dautraye Seignory, a 40 feet vein.

Garthby, range –, lot –.

DOLOMITE, with 45 per cent of CARBONATE OF MAGNESIA—(*For manufacture of Epsom Salts and the Magnesia of Commerce*)—

Barrie; Drummond; St. Armand; Dunham; Sutton; Brome; Ely; Durham; Melbourne; Kingsey; Shipton; Chester; Halifax; Inverness; Leeds; St. Giles Seignory; St. Mary's Seignory; St. Joseph Seignory.

MAGNESITE, with 83 per cent of CARBONATE OF MAGNESIA—*(For the same purpose)*—

Sutton, range 7, lot 12; Bolton, range 9, lot 17.

Stone Pigments.

BARYTES—*Permanent White*—

Lake Superior, in a multitude of veins on the north shore from Pigeon River to Thunder Cape; Bathurst, range 6, lot 4; McNab, mouth of Dochart.

IRON OCHRE—*Yellow Ochre, Spanish Brown*—

Waltham, Paint Lake or Pond, near Harwood Pierce's Clearing, Black River.

Mansfield, Grand Marais, opposite the most northern point of Calumet Island.

Durham, range 4, lot 4.

TALCOSE SLATE—*Ochre Yellow*—Stanstead, range 9, lot 13.

French White—Stanstead, range 9, lot 13; Leeds, range 13, lot 17.

SOAPSTONE—*White*—

Sutton, range 7, lot 12; Potton, range 5, lot 20, very pure; Bolton, range 1, lot 17; range 2, lot 6; range 4, lot 4; range 11, lot 1; Melbourne, range 2, lot 19; Ireland, range 3, lot 10; Vaudreuil Beauce Seignory, range 3 on the Bras, pure; Broughton, range 4, lot 12.

Elzevir, range 1, lot 27; range 2, lot 13, pure.

SERPENTINE—*Greenish White*—

Eastern Townships, in places too numerous to be particularized. (For the range see Marble.)

FERRUGINOUS CLAY—*Light Red*—

Nassagaweya, McKann's Mill; Nottawasaga, Mad River.

Materials applicable to the Arts.

LITHOGRAPHIC STONE—

Marmora, range 4, lot 8; Rama, on St. John's Lake, south of the Junction, and on Lake Couchiching; there are probably many exposures between Rama and Marmora, the distance being 70 miles.

Materials applicable to Jewellery, and Ornamental purposes.

AGATES .....Lake Superior—St. Ignace and neighbouring Islands; Michipicoten Island.

JASPER.....Ascot, near Sherbrooke, in a bed; Gaspé, in pebbles.

LABRADORITE.....Drummond, range 3, lot 1; Bathurst, range 9, lot 19.

SUNSTONE .....Bathurst, range 6, lot 3.

HYACINTHS.....Grenville, range 5, lot 10.

AMETHYSTS.....Lake Superior, Spar Island, and sundry places along the neighbouring coast.

RIBBONED CHERT..*(For Cameos)*—Lake Superior—Thunder Bay.

JET .....Montreal.

Materials for Glass making.

WHITE QUARTZ SANDSTONE—

Lake Huron—on the north shore, and the Islands near, in great abundance.

Cayuga, lots 45 and 46, Town line, north of Talbot road; Dunn; Vaudreuil Seignory.

Isle Perrot Seignory; Beauharnois Seignory.

PITCHSTONE, BASALT and ALLIED ROCKS—*(For Black Glass)*—

Lake Superior—North shore and Islands; Michipicoten Island, and East coast.

Lake Huron—in the trap dykes of the north shore, and neighbouring Islands.

Rigaud mountain; Montreal mountain; Montarville mountain.

Refractory Materials.

SOAPSTONE—Elzevir—range 1, lot 27; range 2, lot 13; Potton, range 5, lot 20; Vaudreuil, Beauce Seignory, range 3 on the Bras; Broughton, range 4, lot 12.

ASBESTUS—Potton, range 5, lot 20.

SANDSTONE—Lake Huron, Island of Campment d'Ours, west side; St. Maurice Forges.

PLUMBAGO—Grenville, range 5, lot 10, 2 veins.

Manures.

PHOSPHATE OF LIME—

Ottawa, near the division line between Westmeath and Ross, above the head of Moore's Slide; Calumet Slide; Burgess, range 8, lot 4; Hull, range — lot — near Blasdell's mill; Bay St. Paul; Murray Bay.

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OCHRE—

Grand River, 3½ miles below Cayuga; opposite York village; at Paris; Magdalen Islands, Gulf of St. Lawrence.

SHELL MARL—

North Gwillimsbury, east point of Cook's Bay; Calumet Island, in a small lake 2 miles south-east from Campment des Plaines; Calumet Island, 1 mile north-west of Desjardin's clearing, opposite Moore's slide, and in several small lakes lower down the island; Clarendon, range 1, lot 23; Mink Lake, west of Bromley; McNab, White Lake; Nepean, on Sparks' land, near Bytown; Gloucester, Hon. Mr. McKay's land, near Bytown; Argenteuil, range 1, lot 3; East Hawkesbury, range 7, lot 11; Vaudreuil Seignory, rear of Cavagnol Point; St. Benoit, Grand Brulé, on Chenier's farm; Grande Côte, between St. Thérèse Ferry and St. Eustache, on McAllister's farm; opposite St. Rose, on the road to St. Thérèse, on Henrich's farm; St. Armand West, lots 156 and 157; Stanstead, range 11, lot 5 or 6; St. Hyacinthe Seignory, junction of Granby and St. Pie roads; Montreal, St. Joseph; New Carlisle, in 4 or 5 small lakes, 1 or 2 miles from the village.

Grinding and Polishing Materials.

MILL STONES—

The localities of granitic and syenitic boulders strewed about the country, and used for mill stones, are too numerous and too accidental to be stated; these boulders are derived chiefly from the granitic or gneissoid rocks, which range on the north side of the Ottawa and St. Lawrence, from Lake Superior to Labrador. Independent of them various rocks *in situ* are and may be used for the purpose, such as—

Silicious Conglomerate—Vaudreuil Seignory, Cascades, and Pointe du Grand Detroit; Ham, range 11, lot 10; Port Daniel, at L'Ance à la Veille.

Granular and Cornuous Quartz Rock—This rock accompanies the serpentine of the Eastern Townships, (for the range of which see Marble,) and occurs in too many places to be enumerated; a good sample has been obtained by the Hon. Mr. Knowlton from Bolton, range 6.

Granite—Stanstead; Barnston; Burford; Hereford; Ditton; Marston; Strafford; Weedon; Vaudreuil Beauce Seignory, near the band of serpentine. (The Vaudreuil stone is highly esteemed.)

Escalo-Granite (without Quartz grains)—St. Thérèse; Belœil, Rougemont; Yamaska; Shefford; and Brome Mountains.

GRINDSTONES—A sandstone designated as the grey band which lies at the summit of the red strata of the Medina sandstones, and which reaches from Queenston by St. Catherines, and round the extremity of Lake Ontario by Hamilton, to Esquesing, and thence to Nottawasaga, has been used in some of the northern Townships for grindstones.

Some parts of the Potsdam sandstone have been used for the purpose, as in Allumettes, at the Allumettes Falls; and in Fitzroy, at Shirreff's mills.

Some parts of the Gaspé sandstone, in Gaspé Bay, would yield grindstones, but though these might prove the best of the Canadian stones, none of them would equal those of New Brunswick and Nova Scotia, or those of Newcastle, in England.

WHETSTONES AND HONES—Madoc, range 5, lot 4; Marmora, range 6, lot 22; Lake Mazinaw, rear of Palmerston; Fitzroy, Whetsone Point, Lake Chaudière; Potton, range 11, on Magog Lake; Stanstead, from Whetstone Island, in Magog Lake, by range 5, lots 19 and 20, and range 7, lot 26, to range 9, lot 28; thence through Hatley, to range 9, lot 3, on Massawippi Lake; Stanstead, range 9, lot 4; Bolton, range 14, lot 5; Shipton, range 14, lot 19, and range 5, lot 16; Marston, on Megantic Lake.

CANADIAN TRIPOLI, *a silicious infusorial deposit*—Augmentation to L'Isle Noraye and Dautraye Seignory.

Materials for Paving, Tiling, &c.

ROOFING SLATES—

Kingsey, range 1, lot 4; Halifax, range 1, lot 14; Frampton, on the land of Mr. Quigley.

FLAG STONES—

Toronto, Rivers Credit, Little Mimico, and Etobicoke; Etobicoke, River Humber; York, East Branch of River Don; Lake Temiscamang, 7 miles below the Galère; Bagot, at Calaboga rapids; Horton and Clarendon, at the Chenaux; Sutton, range 2, lot 19; Potton, range 10, lot 28, at Potton Ferry; Stanstead, east side of Memphremagog Lake, for some miles above the Outlet; Inverness, range 2, lot 5; Port Daniel, L'Ance à la Vielle.

Building Materials.

GRANITE *of superior quality, white, and cleavable*—

Stanstead, ranges 4, 5, 6, 7, lo[illegible] 2, 3, 4, 5, 6; range 9, lot 4, to range 11, lot 13; Barnston [illegible] 9, lot 1; ranges 10 and 11, lots 7 to 15; Barford, range[illegible] lots 5 to 9; Hereford, ranges 4 and 5, lots 19 and 20; [illegible]on, 1½ miles from upper end of Megantic Lake; Great [illegible]le Mountain, occupying an area of 12 square miles, about [illegible] united corners of Marsden, Hampden, and Ditton; Little [illegible]antic Mountain, 6 square miles in Winslow, about 1½ miles [illegible]outh-west from line between Aylmer and Gayhurst; Weedon [illegible] mile south-east of Lake Louisa; Winslow, 3 miles long, about 5 miles south-east of Lake Aylmer; Strafford, 1 mile, and 3 miles up Felton River; also 6 miles from foot of Lake St. Francis; Lambton, 6 miles from foot of Lake St. Francis.

PSEUDO-GRANITE, *without quartz grains, white, cleavable*—

St. Thérèse, Beloil, Rougement, Yamaska, Shefford, and Brome Mountains.

SANDSTONE, *yellowish white*—

Niagara, at Queenston; Barton, at Hamilton; Flamborough West; Nelson; Nassagaweya; Esquesing, range 5, lot 17; range 6, lot –; Mono; Nottawasaga; Cayuga, range –, lots 45 and 46; Rigaud Seignory, Rivière à la Graise; Vaudreuil Seignory, Pointe Cavagnol; Isle Perrot; St. Eustache; Terrebonne Seignory; Beauharnois Seignory; St. Maurice Forges; Allumettes; Fitzroy.

CALCAREOUS SANDSTONE—

Rideau Canal; Bytown; various parts of Ottawa, north side from Bytown, to Papineau Island; various places from Grenville to Point Fortune; Brockville; Murray Bay, at Les Ecorchats, and White Cape, and the lots of J. B. du Berger and T. Chapreon; Lauzon Seignory, at St. Nicholas; Cap Rouge, near Quebec.

LIMESTONE—

Malden; Manitoulin Islands, along the south side; St. Joseph Island; Coast of Lake Huron, from Cape Hurd to Rivière au Sable (north); various parts from Cabot's Head to Sydenham, in Owen Sound; and from Sydenham, by Euphrasia to Nottawasaga; thence by Mono to Esquesing, and by Nelson to Ancaster; Thorold; Matchedash Bay; Orillia; Rama; Mara and various parts to Marmora; Madoc; Belleville; Kingston; McNab; Bytown; and various parts to Hawkesbury; Cornwall; Isle Bizard; Beauharnois Island; Caughnawaga; Montreal; Isle Jesus; Terrebonne; Phillipsburgh; St. Dominique; Grondines; Deschambault; Beauport; Bay St. Paul; and Murray Bay; Upton; Acton; Wickham; Stanstead; Hatley; Dudswell; Temiscouata Lake; Gaspé; Port Daniell; Richmond; Anticosti Island.

LIME—*Common*—In the various localties above enumerated for limestone.

Magnesian—In the localities indicated for dolomite.

Hydraulic—Point Douglas, Lake Huron; Grand River, half a mile below Cayuga; and 3½ miles below same place; Thorold; Kingston; Nepean, near Bytown; Argenteuil?

Materials for Bricks, Tiles and Pottery.

CLAY—*For Red Bricks*—This is so widely spread in the valleys of the St. Lawrence, Ottawa, Richelieu, &c., that the localities are too numerous to be mentioned.

For White Bricks—York, range 2 from the Bay, lots 19 and 20; Peterborough.

For Tiles and common Pottery—All the same localities.

Materials for Ornamental Architecture.

MARBLE—*White*—Dudswell; exit of Lake Mazinaw, rear of Palmerston (a dolomite.)

Black—Cornwall; Phillipsburgh.

Brown—Packenham, at Dickson's mill.

Grey and Mottled—McNab; Phillipsburgh; St. Dominique; Montreal.

Variegated, white and green—Grenville.

Verd Antique—Stukely.

Serpentine—In many parts suitable for ornamental purposes, in a range of 135 miles, running through Potton, Bolton, Stukely, Orford, Brompton, Melbourne, Shipton, Tingwick, Wotton, Ham and its Augmentation, Wolfestown, Garthby, Ireland, Coleraine, Adstoch, Tring, Vaudreuil Beauce to Cranbourne; and in another range of 10 miles, running through Leeds.

Combustible Materials.

PEAT—Wainfleet; Humberstone; Westmeath; Beckwith; Goulburn; Nepean; Gloucester; Cumberland; Clarence; Plantagenet; Alfred; Caledonia; L'Orignal; Osnabruck; Finch; Winchester; Roxburgh; Longueuil Seignory; St. Hyacinthe Seignory, at St. Dominique; Ste. Marie de Monnoir Seignory; Rivière du Loup Seignory; Rivière Ouelle Seignory; Matan and McNider, between Rivière Branché and Rivière Matan.

PETROLEUM, NAPTHA, &c.—River Thames, Western District; River St. John, Gaspé.

ASPHALT—Enniskillen, range 6 or 7, lot 19.

Sundry other Materials.

MOULDING SAND—Montreal; L'Acadie, Stanstead.

FULLER'S EARTH—Nassagaweya, at McLann's mill, Sixteen-mile Creek.